

Exercise 4: Sharing images

1. Getting started

```
PS C:\Users\whatanicedayiana> docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: dianavsd25
Password:
```

Fig. 1. Docker Login

2. Finding images

```
Login Succeeded
PS C:\Users\whatanicedayiana> docker search kafka
NAME                                DESCRIPTION                                STARS    OFFICIAL    AUTOMATED
wurstmeister/kafka                 Multi-Broker Apache Kafka Image            1374     [OK]
spotify/kafka                      A simple docker image with both Kafka and Zookeeper 412     [OK]
bitnami/kafka                      Apache Kafka is a distributed streaming platform 241     [OK]
sheepkiller/kafka-manager          kafka-manager                               204     [OK]
kafkamanager/kafka-manager         Docker image for Kafka manager              123
ches/kafka                         Apache Kafka. Tagged versions. JMX. Cluster-... 117     [OK]
hlebaltbau/kafka-manager           CMAC (previous known as Kafka Manager) As Docker 83     [OK]
landoop/kafka-topics-ui            UI for viewing Kafka Topics config and data ... 36     [OK]
solsson/kafka                     http://kafka.apache.org/documentation.html#quickstart 22     [OK]
johnnypark/kafka-zookeeper         Kafka and Zookeeper combined image          22
debezium/kafka                    Kafka image required when running the Debezium 21     [OK]
landoop/kafka-lenses-dev           Lenses with Kafka. +Connect +Generators +Consumer 20     [OK]
danielqsj/kafka-exporter           Kafka exporter for Prometheus                19     [OK]
landoop/kafka-connect-ui          Web based UI for Kafka Connect.              17     [OK]
digitalwonderland/kafka           Latest Kafka - clusterable                  15     [OK]
tchiotludo/kafkahq                Kafka GUI to view topics, topics data, consumers 6     [OK]
solsson/kafka-manager              Deprecated in favor of solsson/kafka:cmak      5     [OK]
solsson/kafkacat                  https://github.com/edenhill/kafkacat/pull/110 5     [OK]
solsson/kafka-prometheus-jmx-exporter For monitoring of Kubernetes Kafka clusters ... 4     [OK]
solsson/kafka-consumers-prometheus https://github.com/cloudworkz/kafka-minion 4
mesosphere/kafka-client            Kafka client                                3     [OK]
anchorfree/kafka                  Kafka broker and Zookeeper image             2
zenko/kafka-manager               Kafka Manger https://github.com/yahoo/kafka-manager 2     [OK]
zenreach/kafka-connect            Zenreach's Kafka Connect Docker Image        2
humio/kafka-dev                   Kafka build for dev.                          0
PS C:\Users\whatanicedayiana> docker pull wurstmeister/kafka
Using default tag: latest
latest: Pulling from wurstmeister/kafka
540db60ca938: Pull complete
789c480dd801: Pull complete
0705a4c47ffe: Pull complete
661f40345821: Pull complete
a84fa3c6a2b3: Pull complete
Digest: sha256:4bad02cf8f07d0bf65d5cc73cce7aa75f9a90e32b585f867fce7c3fff229bd6d
Status: Downloaded newer image for wurstmeister/kafka:latest
docker.io/wurstmeister/kafka:latest
```

Fig. 2. Searching and Pulling an Image

3. Tagging images

```
PS C:\Users\whatanicedayiana> docker tag delner/ping:1.0 dianavsd25/ping:1.0
PS C:\Users\whatanicedayiana> docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
delner/ping	1.0	e71e95fa2303	34 minutes ago	139MB
dianavsd25/ping	1.0	e71e95fa2303	34 minutes ago	139MB
me8/ping	1.0	e71e95fa2303	34 minutes ago	139MB
wurstmeister/kafka	latest	c3b059ede60e	4 days ago	507MB
ubuntu	16.04	9ff95a467e45	3 weeks ago	135MB

```
PS C:\Users\whatanicedayiana> docker rmi delner/ping:1.0
Untagged: delner/ping:1.0
PS C:\Users\whatanicedayiana> docker rmi me8/ping:1.0
Untagged: me8/ping:1.0
PS C:\Users\whatanicedayiana> docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
dianavsd25/ping	1.0	e71e95fa2303	35 minutes ago	139MB
wurstmeister/kafka	latest	c3b059ede60e	4 days ago	507MB
ubuntu	16.04	9ff95a467e45	3 weeks ago	135MB

Fig. 3. Retagging an Image, and deleting the old tag

4. Pushing images

```
PS C:\Users\whatanicedayiana> docker push dianavsd25/ping:1.0
The push refers to repository [docker.io/dianavsd25/ping]
3474cebda7ee: Pushed
cdc4d0cd3d15: Pushed
43d05a2c9517: Pushed
1902cf049561: Pushed
9fe04650404a: Pushed
1.0: digest: sha256:ccba67c4c30917006ab79705c03ea393c3d507953db7a60f18805b989da162b2 size: 1361
```

Fig. 4. Pushing image to repository

The screenshot shows a web browser at the URL <https://hub.docker.com/repository/docker/dianavsd25/ping>. The page features a blue header with the Docker logo, a search bar, and navigation links for 'Explore', 'Repositories', and the user 'dianavsd25'. A promotional banner at the top offers a 20% discount on Docker subscriptions with code 'DOCKERCON21'. Below the header, the repository name 'dianavsd25 / ping' is displayed, along with a note that it lacks a description and was last pushed 6 minutes ago. A 'Public View' button is visible. The 'Tags and Scans' section shows a single tag '1.0' with a corresponding OS icon, pulled and pushed 6 minutes ago. A 'VULNERABILITY SCANNING - DISABLED' warning is present with an 'Enable' link. A 'docker push' command is provided in a code block.

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Search for great content (e.g., mysql) Explore Repositories dianavsd25

Repositories dianavsd25 / ping Using 0 of 1 private repositories. [Get more](#)

General Tags Builds Collaborators Webhooks Settings

Advanced Image Management
View all your images and tags in this repository, clean up unused content, recover untagged images. Available for Pro and Team accounts. [View preview](#)

dianavsd25 / ping
This repository does not have a description

Last pushed: 6 minutes ago [Public View](#)

Docker commands
To push a new tag to this repository,

```
docker push dianavsd25/ping:tagname
```

Tags and Scans VULNERABILITY SCANNING - DISABLED [Enable](#)

This repository contains 1 tag(s).

TAG	OS	PULLED	PUSHED
1.0		6 minutes ago	6 minutes ago

[See all](#)

Fig. 5. Public repository in DockerHub